

Joseph Brooke & Sons

"SILEX" ^{REGD} STONE

HALIFAX, LONDON, MANCHESTER.

To _____

With

Joseph Brooke & Sons'

Compliments.

16

Joseph Brooke & Sons

Head Offices : HIPPERHOLME, HALIFAX.

Telephone No. 10, Lightcliffe.

Telegrams : "Brookes, Halifax."



Head Offices.

LONDON :

Offices—16, Great George Street, Westminster.

Telephones Nos. 222 & 223, Westminster. Telegrams : "Pitchstone, London."

Depôt—22, Somers Town Station (M. Rly.),
Euston Road, N.W.

Telephone No. 749, North.

MANCHESTER

- - 8, Exchange Street.

Telephone No. 5805, Central.

Telegrams : "Nonslip, Manchester."



THE
“SILEX”
 STONE.

For Steps, Landings, Pavings, &c.

ITS VIRTUES.

CRUSHING STRAIN :	}	ABSORPTION :
17,106 lbs. per cubic inch.		1'02 per cent.
2,200 tons per cubic foot.		

CHEMICAL ANALYSIS :

Silica	-	-	-	-	-	97'83
Alumina, or Oxide of Iron	-	-	-	-	-	1'17
Lime	-	-	-	-	-	1'00
						<u>100'00</u>

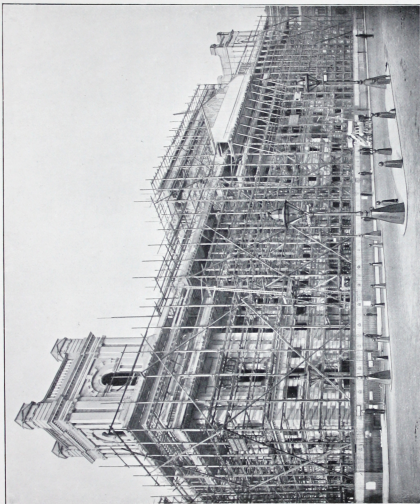
DURABLE. NON-SLIPPERY. RELIABLE.
 PERFECT FOOTWAY PAVING.

Unrivalled for Steps and Landings.

QUALITY GUARANTEED.

THE HIGHEST FORM OF STONE KNOWN.

THE "SILEX" STONE.



"SILEX" STEPS, LANDINGS, ETC. SUPPLIED THROUGHOUT.

FROM THE DESIGNS OF THE LATE WM. BRYDON, ESQ.

Architect for Erection: SIR HENRY TANNER.

Contractors: MESSRS. SPENCER, SANTO & CO., WESTMINSTER.

To ARCHITECTS,
SURVEYORS and
ENGINEERS.

To meet the many complaints of professional gentlemen that the usual specification of "Hard York Stone" does not adequately describe the particular quality of stone they desire to obtain, there being so many varieties of York stone included under the heading "hard," none of which came up to the standard of hardness and durability so essential in staircases and paving, we adopted the name "Silex" many years ago, as a distinguishing term, by specifying which architects and surveyors might know they were obtaining the very best stone for their purpose.

The "Silex" Stone is a durable, reliable, non-slippery stone, especially suitable for Steps, Landings and Pavings, and of such a nature as to be susceptible of a very fine finish, and, when fixed, of a handsome appearance, qualities always sought for but never obtained in any "Hard York" except the "Silex" Stone.

The "Silex" Stone is obtained from the very lowest beds of stone at Pearson Brow, Hipperholme, near Halifax. The seams lie about 80 feet below the surface, and belong to a lower formation than the ordinary strata of Hard York stone. This is proved by their extraordinary solidity, an idea of which may be gained by the fact that a test at Kirkcaldys of samples taken from the "Silex"

THE "SILEX" STONE.

seam gives the crushing strain at 17,106 lbs. per square inch, or 2,200 tons per cubic foot, and absorption as 1.02 per cent.

To reduce to a minimum cost the working of such a material, and to enable us to put it on the market at a reasonable price, we have availed ourselves of the most recent inventions in stone working machinery in all the various operations of quarrying, hoisting, polishing, etc., so far as machinery is adapted or capable of yielding the best results.

To those unfamiliar with quarrying operations the following particulars of working will be of interest:—

There are two methods of working the seams—open cutting and mining—the first being most generally adopted. The whole superincumbent mass of loam, shale and stone is removed, until the "Silex" seam of stone is laid bare—80 to 90 feet below the surface.

In mining, a shaft is sunk to the required depth, and headings being driven from thence in different directions, the stone is brought on trolleys to the bottom of the shaft and hoisted to the surface.

The much admired polish on "Silex" Stone is due to the great density and extraordinary hardness of the stone, and is obtained by rubbing by means of Polishing

THE "SILEX" STONE.

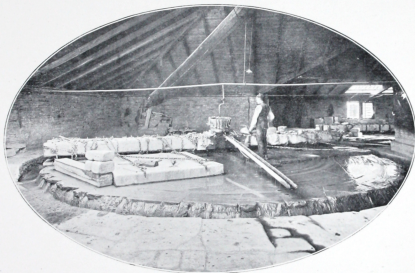
Mills, each about 30 feet in diameter. A number of stones to surface are laid face upward on the bed, and upon these other stones are laid face downward, and the latter being secured to a revolving arm, the revolutions are continued with an abundant supply of grit and water until the desired result is obtained. A number of these mills are in operation, sufficient to ensure the largest orders being promptly executed, and we are in a position to supply expeditiously any quantity of worked stone.

On the following pages we show illustrations of a few of the important Government and Public Buildings erected recently, in which "Silex" Stone has been adopted for the staircases, &c., throughout. After tests extending over many years, it has been conclusively proved that "Silex" Stone has no equal as regards durability, wearing properties, beautiful appearance, and the absolute non-slippery surface it always presents. From practical experience it has been demonstrated that "Silex" Steps and Landings used in Public Offices, Post Offices, &c., where the traffic is of the heaviest nature, shew less than $\frac{1}{16}$ th of an inch wear in 12 years' time. Facts such as this will appeal directly to all Architects who are desirous of obtaining the very best work, and who are anxious to prevent the unsightly defects of steps worn hollow and patched or veneered to present a level tread.



THE "SILEX" STONE.

Photograph of one of the Polishing Mills in work. Several of these Mills are continuously turning out Polished Steps, Landings, Flags, &c.



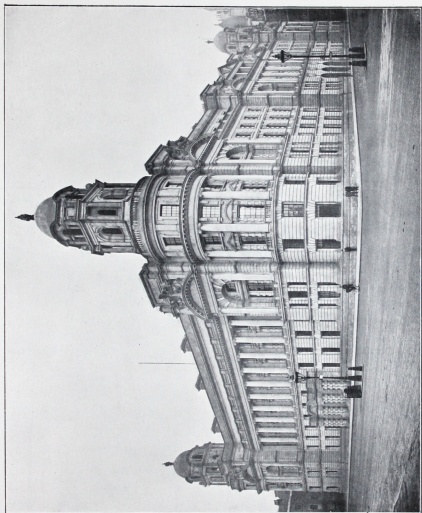
The stones to be polished are laid face upward on the bed of the mill ; on these, with the faces down, are laid other stones which are attached to cross-beams by means of chains. These are set in revolution and continue to revolve until the required polish is obtained by means of a supply of grit and water.





NEW WAR OFFICE, WHITEHALL, LONDON, S.W.

THE "SILEX" STONE.



"SILEX" STEPS, LANDINGS, ETC., SUPPLIED THROUGHOUT.

FROM THE DESIGNS OF THE LATE WM. YOUNG, ESQ.

Architects for Erection: CLYDE YOUNG, ESQ.
AND JOHN TAYLOR.

Contractors: MESSRS. FOSTER & DICKIES, RUGBY AND LONDON.



THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used—
continued.

LONDON :

ROMAN CATHOLIC SCHOOLS, RYLETT ROAD, SHEPHERD'S BUSH.
 PUBLIC HALL, GREENWICH.
 POPLAR HOSPITAL.
 POPLAR UNION.
 ST. FRIDEWIDE'S MISSION HOUSE, POPLAR.
 ST. MARY LE STRAND PARISH HALL, DRURY LANE.
 NOTRE DAME CONVENT, BATTERSEA.
 POPLAR FREE LIBRARY.
 ROMAN CATHOLIC SCHOOLS, STREATHAM.
 NATIONAL DENTAL HOSPITAL.
 BOARD SCHOOL, GAYHURST ROAD.
 " HUGH MYDDLETON.
 " CLEVELAND ROAD, ILFORD.
 NEW CHURCH, CHEYNE ROW, CHELSEA.
 UNDERGROUND CONVENIENCE, MARBLE ARCH.
 " CHARING CROSS.
 " EAST HILL, WANDSWORTH.
 " FALCON LANE, BATTERSEA.
 " LOUDOUN ROAD STATION.
 " TOTTENHAM COURT ROAD.
 " FINCHLEY ROAD.
 " KENNINGTON CROSS.
 " ST. GEORGE'S CIRCUS.
 " NEWINGTON BUTTS.
 " BENFIELD ROAD, LAMBETH.
 " ARTICHOKE PLACE, CAMBERWELL.
 " OLD KENT ROAD, S.E.
 " SUTTON ST., COMMERCIAL RD., E.
 NURSES' HOME, LINGHAM STREET, W.
 WAREHOUSE, MANCHESTER SQUARE.
 " LOMBARD STREET.
 NEW BISCUIT WORKS, WILLESDEN.
 RAILWAY CLEARING HOUSE, EUSTON.
 NEW BUILDINGS, NOS. 5, 6 AND 7, SOUTHAMPTON STREET,
 STRAND.
 HAMMERSMITH NEW BATHS AND WASH-HOUSES.
 ETC., ETC., ETC.

THE "SILEX" STONE.

ROYAL COLLEGE OF SCIENCE, SOUTH KENSINGTON.



Architect: SIR ASTON WEBB.

Contractors: MESSRS. LESLIE & CO., LTD.

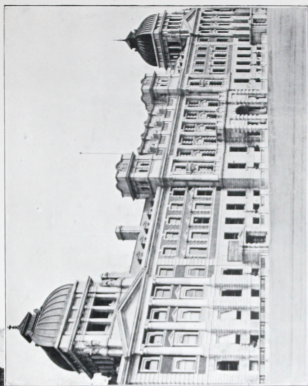
"SILEX" STEPS, LANDINGS, ETC., THROUGHOUT.

THE "SILEX" STONE.

ADMIRALTY OFFICES,
ST. JAMES' PARK, S.W.



ORIGINAL BUILDING, FACING WEST



LATEST EXTENSION, FACING SOUTH

MESSRS. LEECHING & LEECHING,
Architects.

"SILEX" STEPS, LANDINGS, ETC., SUPPLIED THROUGHOUT.



THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used—
continued.

COUNTRY :

ALDERSHOT	NEW POST OFFICE.
BATLEY	TECHNICAL SCHOOLS.
BLACKBURN	TURKISH BATHS.
"	TECHNICAL SCHOOLS.
"	NORTHERN DAILY TELEGRAPH OFFICE.
BIRMINGHAM	NEW G.P.O.
BOLTON	TURKISH BATHS.
BURLEY-IN-WHARFEDALE	SCALEBOR PARK RETREAT.
BURNLEY	MECHANICS' INSTITUTE.
"	WORKHOUSE INFIRMARY.
"	BULL HOTEL.
BRADFORD	INLAND REVENUE OFFICES.
BOOTLE	POST OFFICE.
BLACKBURN	QUEEN VICTORIA MONUMENT.
BRIGHTON	TENNIS COURTS.
COLWYN BAY	MR. GAMBLE'S RESIDENCE.
COLCHESTER	NEW POST OFFICE.
CARDIFF	NEW CUSTOMS HOUSE.
CARR-IN-CARTMEL	CHURCH.
CARLISLE	POST OFFICE EXTENSIONS.
DEWSBURY	PUBLIC BATHS.
"	TECHNICAL SCHOOLS.
"	JUBILEE SCHOOLS.
"	UNION INFIRMARY.
"	PUBLIC OFFICES.
"	WHEELWRIGHTS' GRAMMAR SCHOOL.
"	GUARDIAN OFFICES.
"	CO-OPERATIVE HOUSES, MALKROYD LANE.
DERBY	STATION ROAD POST OFFICE.
"	FREE LIBRARY.
DOVER	NEW POST OFFICE.
DOUGLAS, I.O.M.	NEW POST OFFICE.
GATESHEAD	NEW POST OFFICE.
HALIFAX	MARKET ARCADES.
"	LANCASHIRE & YORKSHIRE BANK.

THE "SILEX" STONE.

LIVERPOOL GENERAL POST OFFICE.

GENERAL VIEW



MAIN ENTRANCE.

"SILEX" STEPS, LANDINGS, ETC., THROUGHOUT.

THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used—
continued.

COUNTRY :

HALIFAX	WOODSIDE BATHS.
"	TECHNICAL SCHOOLS.
HUDERSFIELD	STORTIES HALL ASYLUM.
HASTINGS	NEW GENERAL POST OFFICE.
HARROGATE	POST OFFICE.
HASLEY	PHOENIX WATER WORKS.
"	CORPORATION ELECTRIC SWITCH HOUSE.
HEYWOOD	POST OFFICE.
ISLE OF RUM	KINLOCH CASTLE.
LANCASTER	CO-OPERATIVE STORES.
"	POST OFFICE.
"	NEW HOSPITAL.
LIVERPOOL	NEW GENERAL POST OFFICE.
"	COPPERAS HILL CHURCH.
LOWESTOFT	POST OFFICE.
LEEK	NEW TOWN HALL ENTRANCE.
"	CONSERVATORIES.
LEEDS	NEW MARKETS.
"	NEW GENERAL POST OFFICE.
LEICESTER	CO-OPERATIVE BOOT AND SHOE FACTORY.
MANCHESTER	CO-OPERATIVE WHOLESALE SOCIETY.
"	CO-OPERATIVE WHOLESALE SOCIETY.
"	BALLOON STREET.
"	CO-OPERATIVE WHOLESALE SOCIETY.
"	HANOVER STREET.
"	CO-OPERATIVE WHOLESALE SOCIETY.
"	CORPORATION STREET.
"	CO-OPERATIVE WHOLESALE SOCIETY.
"	LONGSIGHT.
"	NEW TELEGRAPH STORES.
"	S.E. SORTING OFFICE.
"	S.W. DISTRICT POST OFFICE.
NELSON	TOWN HALL.
"	STATION HOTEL.
NOTTINGHAM	CORPORATION ENGINE ROOM.
"	GENERAL POST OFFICE.
"	CONSTITUTIONAL CLUB.

THE "SILEX" STONE.



QUEEN VICTORIA MEMORIAL, BLACKBURN.



SOLDIERS' MEMORIAL, WARRINGTON.

"SILEX" STONE STEPS, FLAGS, ETC.

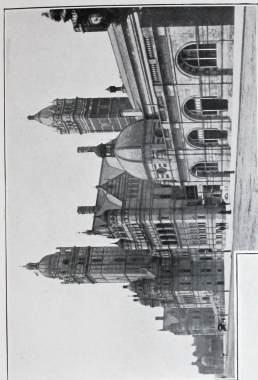
THE "SILEX" STONE.

List of Buildings in which "Silex" Stone has been used—
continued.

COUNTRY :

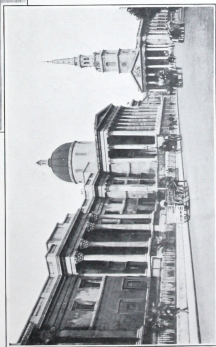
NEWMARKET	NEW G.P.O.
OLDHAM	HILTON ARCADES
"	INLAND REVENUE OFFICES AND COUNTY COURT.
"	WATERLOO BOARD SCHOOLS (No. 2).
"	BEEVER STREET BOARD SCHOOLS.
"	CHAPEL ROAD STORE.
"	CROMPTON LOCAL BOARD OFFICES.
OXENHOLME	CHURCH.
PRESTON	ST. WILFRED'S R.C. CHURCH.
"	ST. AUGUSTINE'S CHURCH.
"	GENERAL POST OFFICE.
"	COUNTY COURT OFFICES.
PETERBOROUGH	POST OFFICE.
RETFORD	BOOKING HALL.
ROCHDALE	STANDARD SPINNING CO.'S ENGINE HOUSE.
RUGBY	UNION WORKHOUSE NEW INFIRMARY.
RIPLEY	C.W.S. STORES.
SHAW	CROMPTON HALL.
SHEFFIELD	POST OFFICE.
SOUTHAMPTON	POST OFFICE.
ST. ANNE'S-ON-SEA	RESIDENTIAL VILLAS, SOUTH PROMENADE.
STAMFORD	POST OFFICE.
SOUTHEND-ON-SEA	POST OFFICE.
SUNDERLAND	GENERAL POST OFFICE.
SWANSEA	GENERAL POST OFFICE.
TODMORDEN	FIELDEN'S MONUMENT.
WARRINGTON	COUNTY COURT.
WHITBY	NEW POST OFFICE.
WEST HARTLEPOOL	NEW POST OFFICE.
WIGAN	COUNTY COURT AND INLAND REVENUE OFFICES.
WEDDON	TELEGRAPH STORES.
WOKING	POST OFFICE.
WHALLEY	PARISH CHURCH
WIDNES	ALKALI WORKS.

THE "SILEX" STONE.



IMPERIAL INSTITUTE, LONDON, W.

"SILEX" PAVING.



NATIONAL GALLERY.

"SILEX" PAVEMENT.

FOR PAVING, ETC.

THE "SILEX" STONE.

"Silex" Stone has been used for paving purposes in all the principal towns in the country ; amongst many others, the following streets or districts are a few where it is in use.

LONDON.

LONDON COUNTY COUNCIL.—Strand to Holborn Improvement

" " Kingsway and Aldwych.

LAMBETH.—All principal thoroughfares.

LONDON COUNTY COUNCIL.—Blackwall Lane to Woolwich.

ISLE OF DOGS.—The Swing Bridge.

" City Arms Bridge.

" Manchester Road Bridge.

WESTMINSTER.—Roman Catholic Cathedral.

" In Whitehall and other streets.

WANDSWORTH.—Many of the principal thoroughfares.

HAMPSTEAD.—Council Works.

LONDON COUNTY COUNCIL.—Blackwall Tunnel.

POPLAR.—Council Improvements,

Etc., etc.

Also by the Railway Companies and by many Corporations, Town Councils, etc., in all parts of the country.

THE "SILEX" STONE.



THE TOWER,
BLACKPOOL.



"SILEX" STONE PAVEMENTS.

THE "SILEX" STONE.

NEW CUT,
LAMBETH,
S.E.



"SILEX"
PAVING,
LAID IN
1889.

LOWER
MARSH,
LAMBETH,
S.E.



"SILEX"
PAVING,
LAID IN 1889.



KENNINGTON PARK ROAD, KENNINGTON, S.E.

"SILEX" PAVEMENT.

THE "SILEX" STONE.

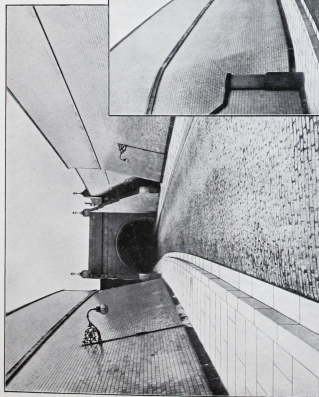
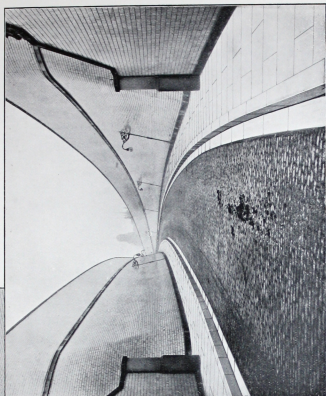
HARLEYFORD ROAD, LAMBETH, S.E.



"SILEX" PAVEMENT.

THE "SILEX" STONE.

APPROACH TO BLACKWALL TUNNEL.

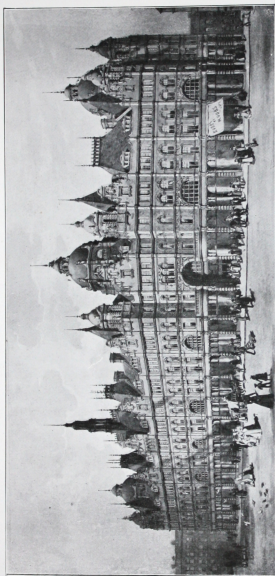


LONDON COUNTY COUNCIL.

"SILEX" PAVING STONE.

THE "SILEX" STONE.

NEW MARKETS, LEEDS.



Contractor: J. T. WRIGHT, ESQ.

Architects: MESSE, LEESING & LEESING.

"SILEX" Steps, Landings, &c., supplied throughout.

Other Catalogue Sections
will be sent with glossaries immediately
on request.

